

Fertilizers and Chemicals Applied: 2007 and 2002¹

Chemicals used to control - Insects

Geography	Land Area in Square Miles ²	2007 Acres Treated	2007 Square Miles Treated ³	% of Land Area Treated ⁴	2002 Acres Treated	2002 Square Miles Treated ³	% of Land Area Treated ⁴	% of Increase or Decrease ⁵
Adair County	567	9,118	14	2.51%	2,940	5	0.81%	1.70%
Andrew County	436	23,784	37	8.52%	14,319	22	5.13%	3.39%
Atchison County	560	48,543	76	13.54%	49,923	78	13.93%	-0.39%
Audrain County	692	68,750	107	15.52%	35,052	55	7.91%	7.61%
Barry County	773	4,406	7	0.89%	965	2	0.20%	0.70%
Barton County	597	29,028	45	7.60%	20,710	32	5.42%	2.18%
Bates County	849	31,916	50	5.87%	28,146	44	5.18%	0.69%
Benton County	729	5,084	8	1.09%	2,036	3	0.44%	0.65%
Bollinger County	621	9,141	14	2.30%	2,173	3	0.55%	1.75%
Boone County	687	13,668	21	3.11%	5,129	8	1.17%	1.94%
Buchanan County	409	27,026	42	10.32%	17,993	28	6.87%	3.45%
Butler County	698	26,514	41	5.94%	13,370	21	2.99%	2.94%
Caldwell County	431	8,543	13	3.10%	7,534	12	2.73%	0.37%
Callaway County	842	12,793	20	2.37%	10,443	16	1.94%	0.44%
Camden County	641	637	1	0.16%	333	1	0.08%	0.07%
Cape Girardeau County	577	24,181	38	6.55%	7,801	12	2.11%	4.44%
Carroll County	695	37,643	59	8.46%	30,042	47	6.75%	1.71%
Carter County	509	(D)	---	---	(D)	---	---	---
Cass County	702	18,155	28	4.04%	11,646	18	2.59%	1.45%

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Cedar County	471	1,280	2	0.42%	1,359	2	0.45%	-0.03%
Chariton County	758	39,113	61	8.06%	48,285	75	9.95%	-1.89%
Christian County	564	5,732	9	1.59%	8,089	13	2.24%	-0.65%
Clark County	507	27,586	43	8.50%	27,646	43	8.52%	-0.02%
Clay County	403	5,019	8	1.95%	1,911	3	0.74%	1.21%
Clinton County	423	24,082	38	8.90%	14,221	22	5.25%	3.64%
Cole County	392	2,928	5	1.17%	1,091	2	0.43%	0.73%
Cooper County	566	20,313	32	5.61%	17,561	27	4.85%	0.76%
Crawford County	744	807	1	0.17%	—	---	---	---
Dade County	491	16,979	27	5.40%	8,580	13	2.73%	2.67%
Dallas County	543	2,075	3	0.60%	363	1	0.10%	0.49%
Daviess County	568	18,127	28	4.99%	18,646	29	5.13%	-0.14%
DeKalb County	425	24,788	39	9.11%	17,104	27	6.29%	2.83%
Dent County	755	435	1	0.09%	(D)	---	---	---
Douglas County	814	1,076	2	0.21%	965	2	0.19%	0.02%
Dunklin County	547	200,812	314	57.36%	161,247	252	46.06%	11.30%
Franklin County	922	7,033	11	1.19%	3,160	5	0.54%	0.66%
Gasconade County	521	4,655	7	1.40%	1,830	3	0.55%	0.85%
Gentry County	493	16,794	26	5.32%	13,491	21	4.28%	1.05%

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Greene County	678	6,993	11	1.61%	5,694	9	1.31%	0.30%
Grundy County	437	22,200	35	7.94%	12,416	19	4.44%	3.50%
Harrison County	725	32,154	50	6.93%	11,626	18	2.51%	4.42%
Henry County	729	6,844	11	1.47%	3,317	5	0.71%	0.76%
Hickory County	411	1,003	2	0.38%	200	0	0.08%	0.31%
Holt County	456	57,754	90	19.79%	45,269	71	15.51%	4.28%
Howard County	464	31,702	50	10.68%	10,852	17	3.65%	7.02%
Howell County	927	2,087	3	0.35%	3,721	6	0.63%	-0.28%
Iron County	552	(D)	---	---	18	0	0.01%	---
Jackson County	611	8,110	13	2.07%	(D)	---	---	---
Jasper County	641	7,644	12	1.86%	7,124	11	1.74%	0.13%
Jefferson County	668	3,038	5	0.71%	3,502	5	0.82%	-0.11%
Johnson County	834	22,203	35	4.16%	12,252	19	2.30%	1.86%
Knox County	507	23,509	37	7.25%	19,272	30	5.94%	1.31%
Laclede County	770	3,931	6	0.80%	3,475	5	0.71%	0.09%
Lafayette County	632	42,722	67	10.56%	42,391	66	10.48%	0.08%
Lawrence County	614	8,191	13	2.08%	5,353	8	1.36%	0.72%
Lewis County	508	25,198	39	7.75%	26,756	42	8.23%	-0.48%
Lincoln County	627	22,176	35	5.53%	15,587	24	3.88%	1.64%

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Linn County	620	7,503	12	1.89%	4,710	7	1.19%	0.70%
Livingston County	537	17,156	27	4.99%	10,679	17	3.11%	1.88%
McDonald County	541	1,221	2	0.35%	101	0	0.03%	0.32%
Macon County	797	14,911	23	2.92%	5,638	9	1.11%	1.82%
Madison County	497	238	0	0.07%	153	0	0.05%	0.03%
Maries County	528	864	1	0.26%	(D)	---	---	---
Marion County	438	31,184	49	11.12%	23,739	37	8.47%	2.66%
Mercer County	454	11,103	17	3.82%	4,922	8	1.69%	2.13%
Miller County	593	3,283	5	0.87%	2,023	3	0.53%	0.33%
Mississippi County	410	115,606	181	44.06%	27,495	43	10.48%	33.58%
Moniteau County	417	10,747	17	4.03%	1,210	2	0.45%	3.57%
Monroe County	670	28,867	45	6.73%	37,136	58	8.66%	-1.93%
Montgomery County	540	29,074	45	8.41%	22,832	36	6.61%	1.81%
Morgan County	594	3,649	6	0.96%	2,786	4	0.73%	0.23%
New Madrid County	679	175,060	274	40.28%	128,313	200	29.53%	10.76%
Newton County	627	15,686	25	3.91%	3,924	6	0.98%	2.93%
Nodaway County	875	35,693	56	6.37%	52,246	82	9.33%	-2.96%
Oregon County	792	1,201	2	0.24%	590	1	0.12%	0.12%
Osage County	606	6,021	9	1.55%	4,704	7	1.21%	0.34%

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Ozark County	731	2,341	4	0.50%	418	1	0.09%	0.41%
Pemiscot County	517	133,306	208	40.29%	108,344	169	32.74%	7.54%
Perry County	473	17,243	27	5.70%	11,361	18	3.75%	1.94%
Pettis County	686	32,465	51	7.39%	20,752	32	4.73%	2.67%
Phelps County	674	977	2	0.23%	370	1	0.09%	0.14%
Pike County	673	46,668	73	10.83%	32,308	50	7.50%	3.33%
Platte County	421	17,585	27	6.53%	5,032	8	1.87%	4.66%
Polk County	642	4,843	8	1.18%	2,588	4	0.63%	0.55%
Pulaski County	551	(D)	---	---	170	0	0.05%	---
Putnam County	520	5,901	9	1.77%	640	1	0.19%	1.58%
Ralls County	481	26,739	42	8.69%	32,295	50	10.49%	-1.80%
Randolph County	473	8,193	13	2.71%	11,833	18	3.91%	-1.20%
Ray County	568	12,438	19	3.42%	11,781	18	3.24%	0.18%
Reynolds County	808	49	0	0.01%	250	0	0.05%	-0.04%
Ripley County	632	991	2	0.25%	1,580	2	0.39%	-0.15%
Saint Charles County	558	28,278	44	7.92%	32,623	51	9.14%	-1.22%
Saint Clair County	698	4,178	7	0.94%	8,415	13	1.88%	-0.95%
Sainte Genevieve County	504	6,663	10	2.07%	3,281	5	1.02%	1.05%
Saint Francois County	451	475	1	0.16%	373	1	0.13%	0.04%

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Saint Louis County	505	4,645	7	1.44%	2,632	4	0.81%	0.62%
Saline County	755	76,451	119	15.82%	61,653	96	12.76%	3.06%
Schuyler County	308	4,431	7	2.25%	1,981	3	1.00%	1.24%
Scotland County	439	19,543	31	6.96%	13,536	21	4.82%	2.14%
Scott County	423	61,856	97	22.85%	17,360	27	6.41%	16.44%
Shannon County	1,004	124	0	0.02%	-	---	---	---
Shelby County	501	37,617	59	11.73%	36,024	56	11.24%	0.50%
Stoddard County	815	142,061	222	27.24%	75,260	118	14.43%	12.81%
Stone County	451	3,347	5	1.16%	1,988	3	0.69%	0.47%
Sullivan County	651	9,226	14	2.21%	8,011	13	1.92%	0.29%
Taney County	608	133	0	0.03%	242	0	0.06%	-0.03%
Texas County	1,180	8,534	13	1.13%	3,251	5	0.43%	0.70%
Vernon County	837	18,938	30	3.54%	12,241	19	2.29%	1.25%
Warren County	429	8,343	13	3.04%	9,621	15	3.50%	-0.47%
Washington County	762	191	0	0.04%	55	0	0.01%	0.03%
Wayne County	763	532	1	0.11%	484	1	0.10%	0.01%
Webster County	594	3,388	5	0.89%	8,698	14	2.29%	-1.40%
Worth County	266	2,728	4	1.60%	3,308	5	1.94%	-0.34%
Wright County	682	3,300	5	0.76%	2,389	4	0.55%	0.21%

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Saint Louis City ^⑥	61	---	---	---	---	---	---	---
Statewide	69,709	2,410,404	3,766	5.40%	1,723,042	2,692	3.86%	1.54%

PRIMARY DATA SOURCE: 2007 Census of Agriculture, United States Department of Agriculture (USDA), National Agricultural Statistics Service (NASS): Missouri State and County Data, Volume 1, Geographic Area Series, Part 25, [AC-07-A25], Table 42: Issued February 2009, Updated December 2009

^① 2002 data are based on a sample of farms

^② Land Area in Square Miles value is obtained from the Missouri Secretary of State's Missouri Roster

^③ Square Miles Treated value is obtained by calculating Acres Treated value * 0.0015625

^④ % of Land Area Treated value is obtained by calculating Square Miles Treated value/Land Area in Square Miles value

^⑤ % of Increase or Decrease value is obtained by calculating 2002 % of Land Area Treated Value -2007 % of Land Area Treated Value

^⑥ The USDA/NASS census definition of a farm is any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year. The definition is consistent with the definition used for current USDA surveys and was first used for the 1974 *Census of Agriculture*; and has been used in each subsequent agriculture census. St. Louis City does not contain any property(ies) that currently meet this definition per USDA.

(D) Withheld to avoid disclosing data for individual farms, per USDA/NASS.